Hiltra Barneveld b.v.
Compagnieweg 14-16
NL-3771 NH Barneveld
+ 31 (0)342-404160

www.hiltra.com
info@hiltra.com

Created on: 12-07-2025 06:14:35 | Technical changes and imperfections reserved.

PRODUCT DATA SHEET Hiltra®: Labsaver F90 LS620-EN - Li-ion - grey - LOADING 230V

Size Labsaver F90 LS620-EN - Li-ion - grey - LOADING 230V

Article number	060600-994
Cabinet certification	F90 according to EN 14470-1
Certification Emergency pressure relief	EI-90 in accordance with 1634-1
Dimensions external WxDxH	approx. 600 x 600 x 2035 mm (W incl. E-box approx. 750 mm)
Dimensions internal BxDxH	approx. 492 x 450 x 1724 mm
Self-closing door	Single, right-hinged, lockable with cylinder lock
Standard equipped with:	Fire resistant emergency hatch incl. filter, approx. 200 x 200 mm
	Emergency hatch including cover and flange connection Ø 125 mm
	Thermal door interlock
	4x double PE-coated grid shelves
	Extinguisher cartridge incl. fire detector
Loading equipment;	230V-1F-50Hz/13A - 12 charging points (240W/plug socket)
	Three wall sockets for 4 chargers with LED on/off switch on top 3 layers.
Grid Shelf BxDxH	approx. 466 x 425 x 25 mm
Load capacity shelves	up to 75 kg when evenly distributed
Own weight	approx. 250 kg
Packaging and transport	on pallet, upright H=2200 mm

Specifications Labsaver F90 LS620-EN - Li-ion - grey - LOADING 230V

Version 3.0 - 01-2020

This fire safety cabinet complies with European standard EN 14470-1/2004, fire resistance 90 minutes. Applicable within PGS 15/Version 1.1 (Sept. 2016) Regulation 3.3. The design is specifically adapted for charging lithium-ion batteries and has passive and active monitoring of the cabinet contents with a special extinguishing cartridge for extinguishing Li-Ion battery fires, an F90 emergency pressure relief hatch with special filter (see below) in the roof surface.

Certification/Fireproofing cabinet:

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- Fire resistance 90 minutes determined according to European Standard (NEN-)EN 14470-1/2004 by the accredited testing institute MPA Dresden.
- Fire resistance tested from the inside at the Battery University in Karlstein.
- Electrical configuration tested and certified in accordance with EN 3140.

Casing:

- Cabinet body and door made of zincor steel and powder coated optionally in:
- RAL 7035/light gray or (optional)- RAL 1007/narcissus yellow or Cabinet body RAL 7035 and door(s) in RAL 1007. Other colors on request.
- Fire-resistant insulation package manufactured from non-combustible, environmentally friendly materials finished with a white impact and scratch-resistant HPL top coat.
- Cabinet interior potential-free grounded to ground connection point on the cabinet roof.
- Standardly equipped with freely accessible adjustable feet ± 20 mm for leveling the cabinet.

Door:

- Front equipped with single or double self-closing wing door with handle placed at ergonomic height. Each door (wing) lockable by means of a cylinder lock (incl. 2 keys).
- Door rebate equipped with fire sealing strips, so that the door rebate is hermetically sealed in case of fire.

Thermal Door Locking:

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- Door Locking: The door(s) self-closing by means of a mechanical door closer.

F90 Emergency pressure hatch in the cabinet roof equipped with:

- A fire-resistant grille that closes automatically in the event of a fire.
- Special filter to prevent emission of burning li-ion particles from the cabinet.
- Emergency hatch covered with a cover cap with a Ø 125 mm flange for connection to an outside air vent.

Fixture:

- Bottom plate in steel, powder coated RAL 7035/light gray.
- Side walls of the cabinet fitted with steel, powder-coated shelf fixing plate with hook-in grid 50 mm for height adjustment of the shelves.

- Four (4) removable, galvanized and double PE coated grid shelves, mesh 35 x 35 mm, in RAL 7032/pebble gray.
- Layboards loadable up to 110 kg with evenly distributed load.

Charging device 230V:

- 230V-1F-50Hz/13A - 12 charging slots.
- Three outlets à 4 charging places for chargers with LED on/off switch on top 3 layers.
- Pattern including fire alarm with alarm door contact, contact switch(s) on door and siren/flashlight on roof surface for local alarm.
- Ventilator for heat dissipation
  .
- E distribution box on side wall incl. circuit breaker. 230V version with grounding type plug.

Charging device 400V:

- 400V-3F-50Hz/13A - 24 charging slots.
- Four sockets à 6 charging locations for chargers with LED on/off switch on top 4 layers.
- Bus pattern incl. fire alarm with alarm door contact, contact switch(s) on door and siren/flashlight on roof surface for local alarm.
- Ventilator for heat dissipation
  .
- E-distribution box on side wall incl. circuit breaker, v.v. CE plug 400V (red).

Ventilation openings:

- Executed in the back wall with an integrated ventilation channel with flange connection Ø 80 x H 65 mm on the cabinet roof for the fan.
- Air vent executed with fire damper that closes automatically in case of fire.

Hazard designation:

- Hazard designation by means of the type label prescribed in EN 14470-1 with pictograms, symbol: "smoking and naked flames prohibited" and "flammable substances" and "ADR 9/batteries".

For more information regarding specifications and options please contact our Sales Department at 0342-404160 or by email.

Technical and implementation changes reserved.

Optional

Option description	Option article number
Transport base for Labsaver LS620 - Li-ion	06600-994
HF filter cassette in cover (against hydrogen fluoride emissions) LS620 -Li-ion	06600-994
SMS alarm module for external signalling to an operator/alarm station LS620 - LI-ion	06600-994